

Arithmetic Practice Test: 4

For Grade-8, 9 and 10 students

Time: 45 minutes

1. Praveen earns \$160 in 12 days. Subeer earns \$180 in 24 days. Find the ratio of their earnings.
2. The ratio of ages of John and his son is $7:2$. If the son was born at the time, when his age was 25 years, then find the age of his son.
3. A dog chases a rabbit. The time taken by the dog to jump 5 steps is equal to the time taken by the rabbit to jump 6 steps. But the distance covered by the dog in 3 jumps is equal to the distance covered by the rabbit in 5 jumps. Find the ratio of the speed of the dog and the rabbit.
4. 56 liters of milk are already mixed with water. The ratio of milk and water is $4:3$. Find the amount of milk and water in the mixture.
5. The ratio of the ages of a father and his son is $5:3$ and after 10 years the ratio of their ages would be $3:2$. Find their current ages.
6. A container has 48 liters of milk diluted with some amount of water. The ratio of milk and water is $3:1$. How much water needs to be added onto it so that the ratio of the milk and water would be $2:1$?
7. The sum of Peter and Don's ages is 60 years. Three years back, the ratio of their ages was $4:5$. Find the ratio of their ages after 3 years from now.
8. The sum of the ages of a father and his son is 45 years currently. After 10 years the ratio of their ages would be $9:4$. Find the current ages of the father and his son.
9. In a cricket match A, B and C together scored 370 runs. They scored runs in the ratio of $5:3:2$. Find out runs scored by them individually.
10. An amount of money is divided between two persons in the ratio of $5:3$. The first person gets \$384 and the second person gets more money than the first person. Find out the total amount of money that is divided.

ANSWERS

1. 16:9
2. 10 years.
3. 25:18
4. 32 liters of milk, 24 liters of water
5. Father: 50 years, Son: 30 years
6. 6 liters
7. 5:6
8. Father: 35 years, Son: 10 years
9. 185, 111, 74
10. \$1024